Roll No. .....

## 67243

# M.C.A. 5th Sem. (with new notes) (Current Scheme)

# Examination-December, 2014 Windows Programming & Visual C++

## Paper-MCA-503

Time: 3 hours

Max. Marks: 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note: Question No. 1 is compulsory. Attempt four questions out of four units by selecting one question from each unit.

All questions carry equal marks.

- 1. (a) What is the concept by dynamic linking? How is it achieved?
  - (b) What are VC++ components?
  - (c) What are Intrinsic controls?

- (d) Which multimedia elements help in windows-based applications?
- (e) What are implicit and explicit resources in Window Programming?
- (f) What elements and constructs help in GUI design?
- (g) What are features of splitter windows?
- (h) Write the steps to join two database tables in VC++?

#### Unit-I

- 2. (a) What is Windows Programming? What are the implicit and explicit resources in Window Programming? Explain in detail.
  - (b) What is the structure of a Windows program? Illustrate all its constructs through a suitable example.
- 3. Explain the following:
  - (a) Windows controls
  - (b) Child windows

#### Unit-II

- 4. What are DLLs? How are these different from EXE files? Which DLLs are supported by MFC library? How are these used in VC++? Explain.
- 5. (a) What are Windows API elements?

  Discuss significance of each.
  - (b) What do you understand by Graphics

    Device Interface (GDI) ? Illustrate

    programming with graphics device
    interface.

### Unit-III

- (a) What are Dialog Boxes? How these are created using VC++? Illustrate through a suitable example.
  - (b) What is Visual Programming? What languages do you consider most suitable for Visual Programming and why?

7. Write a program in VC++ for adding List Box, List Items, Check Box, Radio Button and Menus to your Window.

### Unit-IV

- 8. (a) What are the steps involved in accessing the database in a Visual C++ project?

  Explain.
  - (a) What are the advantages and disadvantages of VC++ over any other object-oriented language? Explain with suitable examples.
- 9. (a) What is meant by MFC programming without View Document Architecture ? Explain.
  - (a) What is ODBC? How is it different from DAO? Illustrate.